

Fertility Rate

TITLE V INDICATOR TEMPLATE

INDICATOR: Fertility Rate Among Girls

DEFINITION: The number of live births per 1,000 adolescent females by age at delivery (less than 15 years of age, 15 to 17 years of age, 18 to 19 years of age)

NUMERATOR: The total number of live births among adolescent females, by age group (less than 15, 15 to 17, 18 to 19), by place of residence, in a calendar year

DENOMINATOR: The total number of adolescent females by age group (less than 15, 15 to 17, 18 to 19), by place of residence, in a calendar year

HEALTHY PEOPLE 2010 OBJECTIVE:

Reduce pregnancies among adolescent females to no more than 43 pregnancies per 1,000 adolescents. (Baseline: 68 pregnancies per 1,000 females aged 15 to 17 years in 1996) (Objective 9-7)

RISK FACTORS:

Low income; low maternal education level; race/ethnicity (African American, Hispanic); lack of effective contraceptive use/family planning practices; lack of education/counseling regarding contraceptive use/family planning; previous teen pregnancy; initiation of sexual activity at a young age

Births to adolescent females less than 15 years of age

Year	California				LA County			
	Number	Rate	95% Confidence Interval		Number	Rate	95% Confidence Interval	
			Lower	Upper			Lower	Upper
1993	1,572	1.4	1.4	1.5	550	1.7	1.6	1.9
1994	1,687	1.5	1.4	1.6	544	1.7	1.6	1.8
1995	1,640	1.5	1.4	1.5	550	1.7	1.6	1.9
1996	1,485	1.3	1.2	1.4	477	1.5	1.4	1.6
1997	1,256	1.1	1.0	1.1	408	1.3	1.1	1.4
1998	1,066	0.9	0.8	1.0	337	1.0	0.9	1.1
1999	1,037	0.9	0.8	0.9	323	0.9	0.8	1.0
2000	895	0.7	0.7	0.8	274	0.8	0.7	0.9
2001	810	0.6	0.6	0.7	269	0.7	0.6	0.8
2002	743	0.6	0.5	0.6	248	0.6	0.6	0.7

Denominator: Females < 15 (i.e. 10 - 14)		
Year	California	LA County
1993	1,096,891	316,565
1994	1,118,024	319,727
1995	1,130,754	320,362
1996	1,143,744	321,119
1997	1,165,175	325,188
1998	1,187,183	331,434
1999	1,219,471	341,591
2000	1,265,233	357,376
2001	1,312,244	372,397
2002	1,349,917	386,073

Note: This indicator addresses live births as opposed to pregnancies. Prior to 2000, "Fertility Rate among teen girls" was labeled as "Teen Birth Rate".

Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 1993-2002.

Denominator data: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 1970-2050," Sacramento, California, May 2004.

TITLE V INDICATOR TEMPLATE

INDICATOR: Fertility Rate Among Girls (continued)

Births to adolescent females 15 to 17 years of age

Year	California				LA County			
	Number	Rate	95% Confidence Interval		Number	Rate	95% Confidence Interval	
			Lower	Upper			Lower	Upper
1993	26,301	42.9	42.4	43.4	8,629	46.7	45.7	47.6
1994	26,378	42.3	41.8	42.8	8,576	46.2	45.2	47.1
1995	25,821	40.4	39.9	40.9	8,369	44.5	43.6	45.4
1996	24,047	36.4	36.0	36.9	7,741	40.3	39.4	41.1
1997	23,064	33.8	33.4	34.2	7,237	36.8	36.0	37.6
1998	21,630	31.1	30.6	31.5	6,770	34.1	33.3	34.9
1999	20,209	28.8	28.4	29.2	6,293	32.1	31.3	32.9
2000	20,209	28.4	28.0	28.8	6,293	32.2	31.4	33.0
2001	17,307	23.8	23.5	24.2	5,373	27.2	26.5	27.9
2002	16,660	22.4	22.0	22.7	5,081	25.1	24.5	25.8

Year	Denominator: Females 15-17		Numerator: Births to Females 15-17					
	California	LA County	State Births, 15 year olds	State Births, 16 year olds	State Births, 17 year olds	County Births, 15 year olds	County Births, 16 year olds	County Births, 17 year olds
1993	612,857	184,856	4,279	8,641	13,381	1,383	2,827	4,419
1994	622,956	185,783	4,335	8,701	13,342	1,419	2,771	4,386
1995	638,728	188,053	4,182	8,560	13,079	1,386	2,775	4,208
1996	659,930	192,308	3,886	8,093	12,068	1,251	2,655	3,835
1997	682,334	196,675	3,645	7,557	11,862	1,143	2,421	3,673
1998	696,514	198,441	3,215	7,094	11,321	1,002	2,227	3,541
1999	701,609	196,221	2,876	6,671	10,662	922	2,069	3,302
2000	711,170	195,409	2,735	6,012	10,140	879	1,855	3,067
2001	726,912	197,377	2,433	5,485	9,389	770	1,736	2,867
2002	745,239	202,069	2,304	5,386	8,970	703	1,659	2,719

Note: This indicator addresses live births as opposed to pregnancies. Prior to 2000, "Fertility Rate among teen girls" was labeled as "Teen Birth Rate".
 Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 1993-2002.
 Denominator data: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 1970-2050," Sacramento, California, May 2004.

TITLE V INDICATOR TEMPLATE

INDICATOR: Fertility Rate Among Girls (continued)

Births to adolescent females 18 to 19 years of age

Year	California				LA County			
	Number	Rate	95% Confidence Interval		Number	Rate	95% Confidence Interval	
			Lower	Upper			Lower	Upper
1993	42,218	103.0	102.1	104.0	13,999	110.4	108.7	112.1
1994	41,820	99.9	99.0	100.8	13,515	104.8	103.2	106.5
1995	40,823	97.1	96.2	98.0	13,243	102.9	101.2	104.5
1996	39,071	92.2	91.4	93.1	12,217	95.6	94.0	97.2
1997	36,787	85.6	84.7	86.4	11,293	88.3	86.8	89.9
1998	36,511	81.9	81.1	82.7	11,153	84.8	83.3	86.3
1999	36,368	78.2	77.4	78.9	10,850	80.0	78.5	81.4
2000	36,486	76.8	76.1	77.6	10,807	79.9	78.5	81.4
2001	35,659	73.4	72.6	74.1	10,177	77.0	75.6	78.4
2002	33,541	68.2	67.5	68.9	9,429	73.0	71.6	74.4

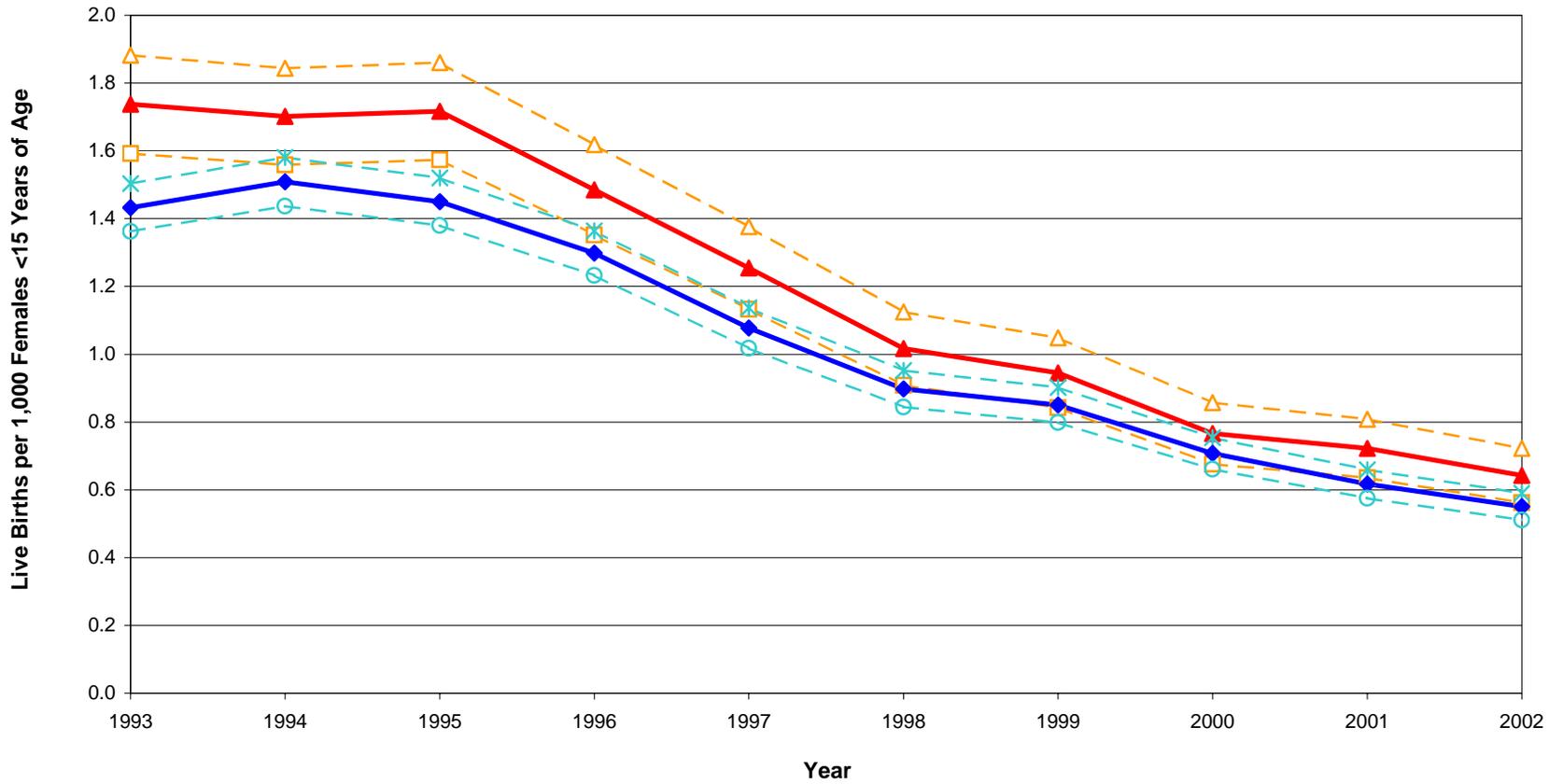
Year	Denominator: Females 18-19		Numerator: Births to Females 18-19			
	California	LA County	State Births, 18 year olds	State Births, 19 year olds	County Births, 18 year olds	County Births, 19 year olds
1993	409,690	126,777	18,638	23,580	6,173	7,826
1994	418,521	128,928	18,548	23,272	6,046	7,469
1995	420,467	128,713	18,017	22,806	5,810	7,433
1996	423,644	127,782	17,048	22,023	5,274	6,943
1997	429,919	127,852	16,132	20,655	4,952	6,341
1998	445,726	131,563	16,018	20,493	4,944	6,209
1999	465,217	135,663	15,526	20,842	4,629	6,221
2000	474,956	135,235	15,653	20,833	4,690	6,117
2001	485,957	132,150	14,886	20,773	4,313	5,864
2002	492,043	129,193	13,846	19,695	3,999	5,430

Note: This indicator addresses live births as opposed to pregnancies. Prior to 2000, "Fertility Rate among teen girls" was labeled as "Teen Birth Rate".

Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 1993-2002.

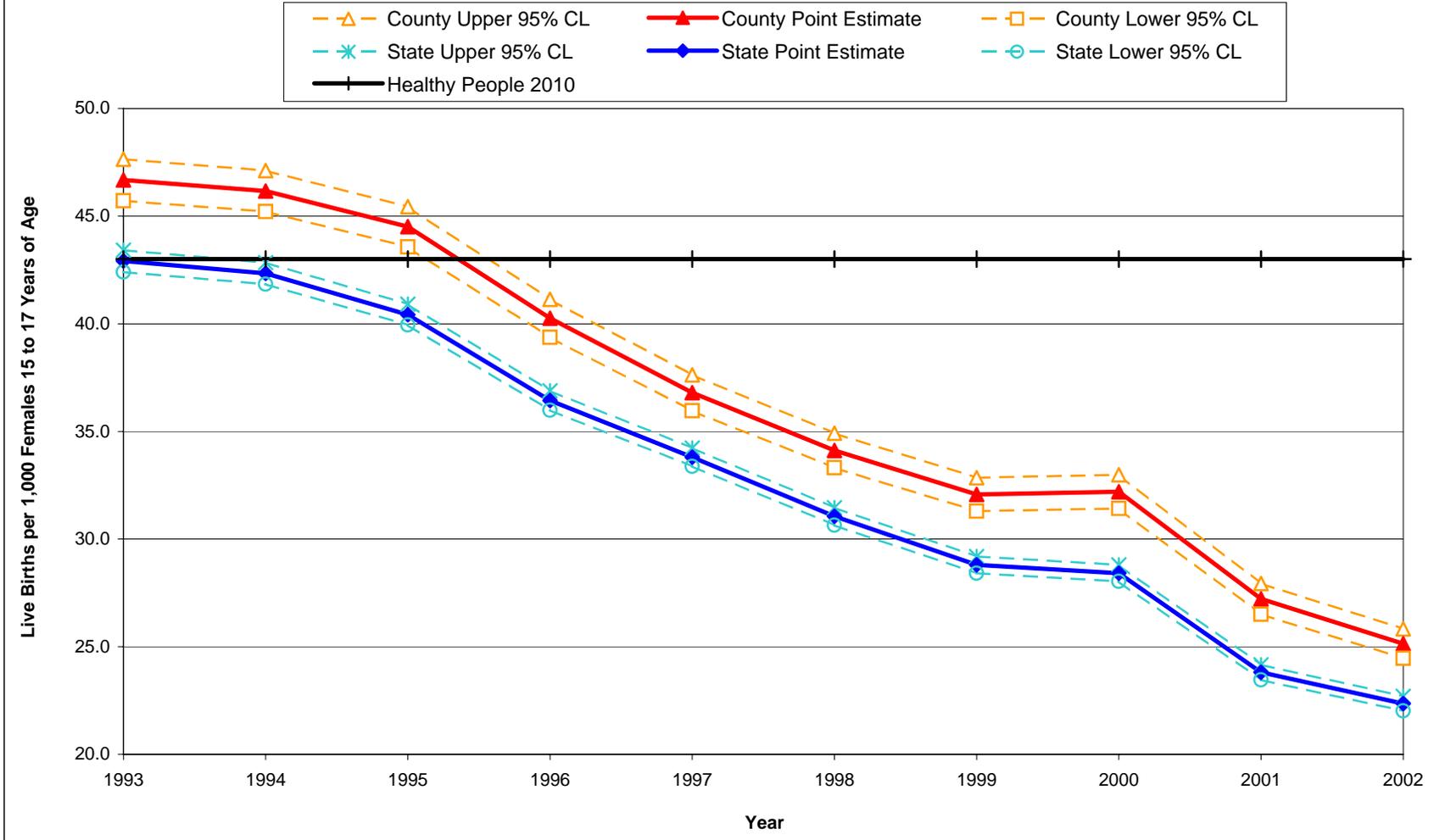
Denominator data: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 1970-2050," Sacramento, California, May 2004.

Live Births per 1,000 Adolescent Females Less Than 15 Years of Age California vs. Los Angeles County, 1993-2002



Note: This indicator addresses live births as opposed to pregnancies. Prior to 2000, "Fertility Rate among teen girls" was labeled as "Teen Birth Rate".
 Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 1993-2002.
 Denominator data: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 1970-2050," Sacramento, California, May 2004.

Live Births per 1,000 Adolescent Females 15 to 17 Years of Age California vs. Los Angeles County, 1993-2002



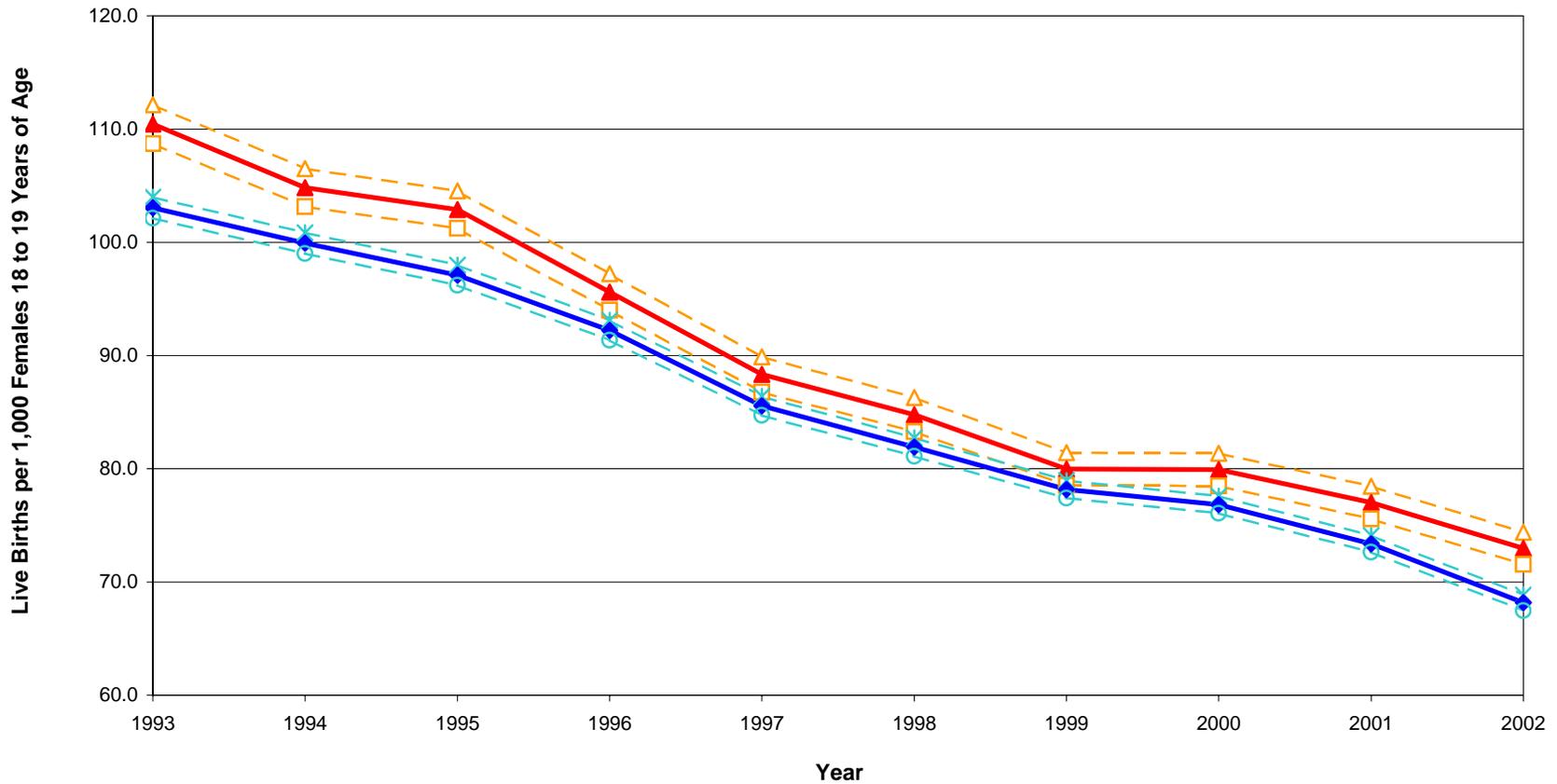
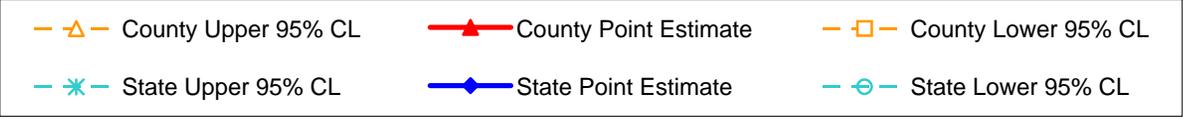
Year 2010 Objective: Reduce pregnancies among adolescent females to no more than 43 pregnancies per 1,000 adolescents

Note: This indicator addresses live births as opposed to pregnancies. Prior to 2000, "Fertility Rate among teen girls" was labeled as "Teen Birth Rate".

Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 1993-2002.

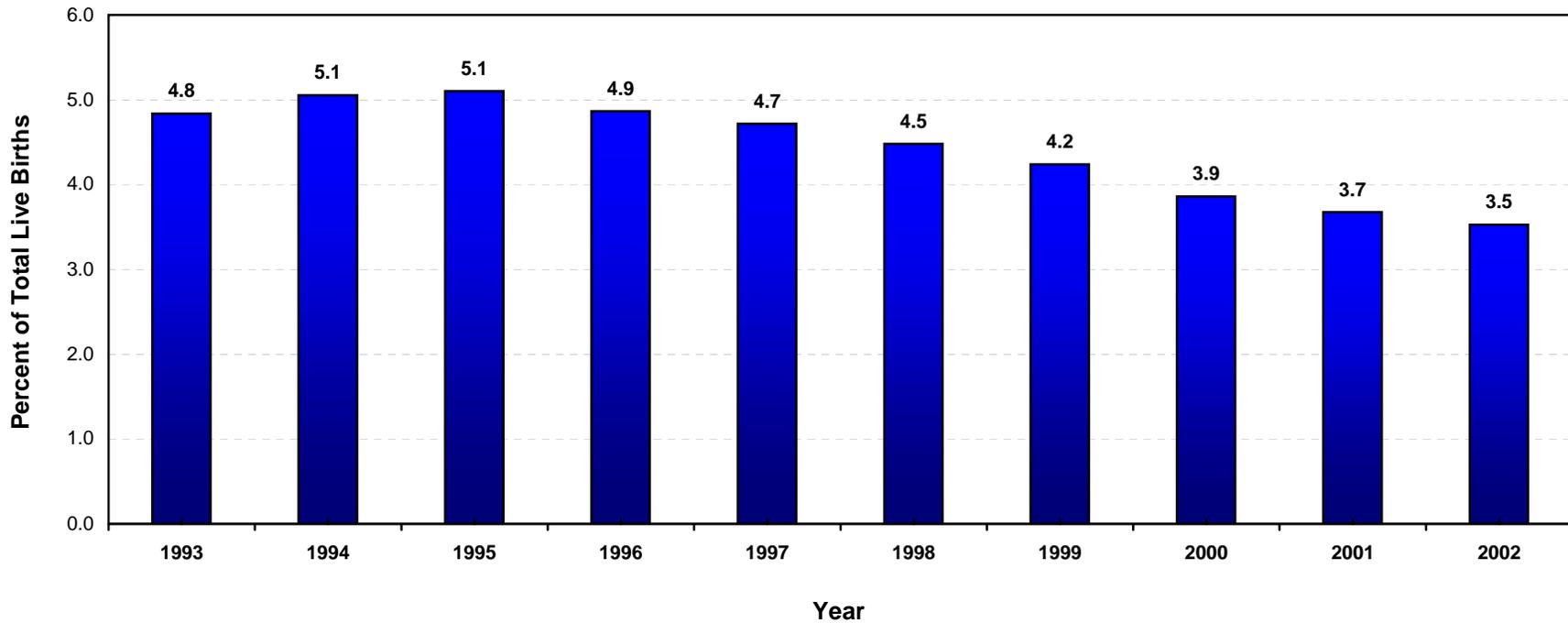
Denominator data: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 1970-2050," Sacramento, California, May 2004.

Live Births per 1,000 Adolescent Females 18 to 19 Years of Age California vs. Los Angeles County, 1993-2002



Note: This indicator addresses live births as opposed to pregnancies. Prior to 2000, "Fertility Rate among teen girls" was labeled as "Teen Birth Rate".
 Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 1993-2002.
 Denominator data: California Department of Finance, "Race/Ethnic Population with Age and Sex Detail, 1970-2050," Sacramento, California, May 2004.

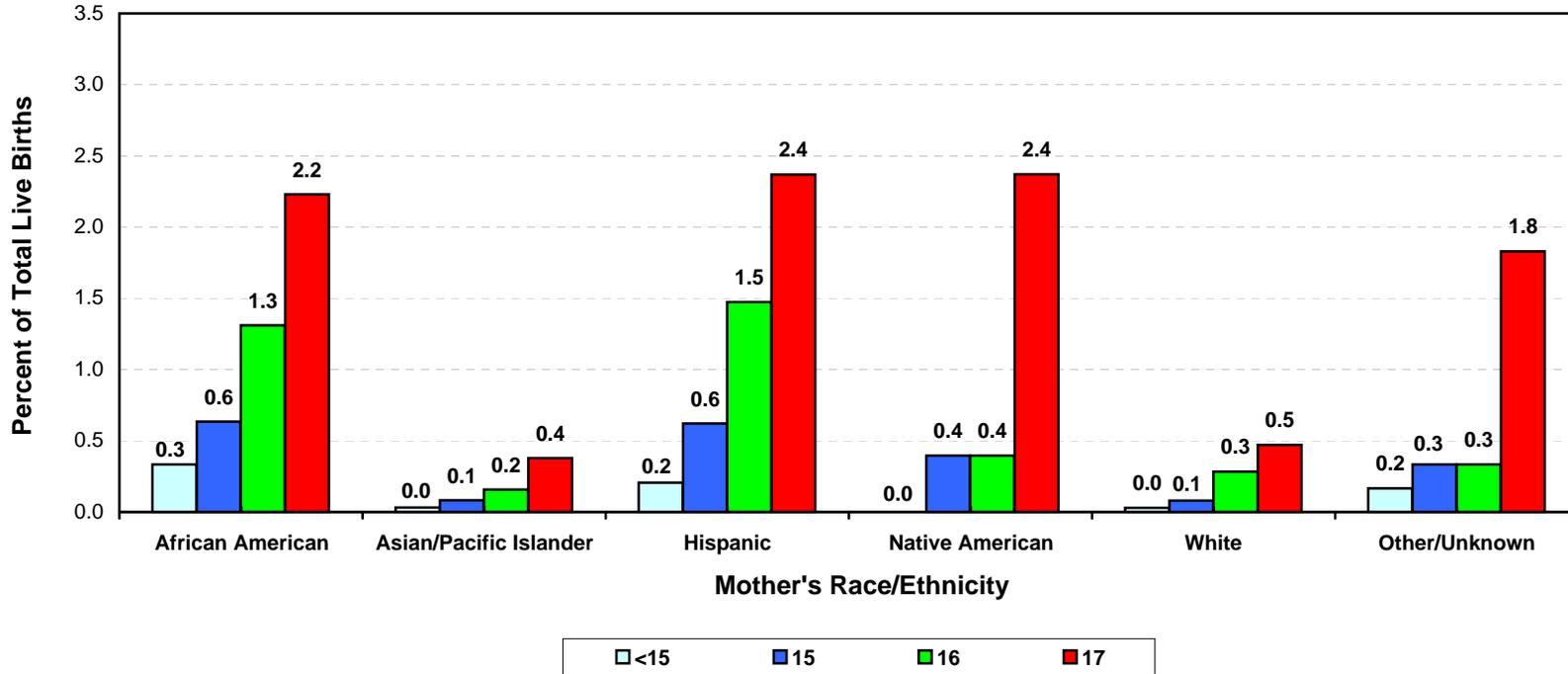
**Live Births to Mothers Less Than 18 Years of Age, as Percent of Total Live Births
Los Angeles County, 1993-2002**



Age	Year																			
	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
	Number	Percent																		
<18	9,179	4.8	9,120	5.1	8,919	5.1	8,218	4.9	7,645	4.7	7,107	4.5	6,616	4.2	6,075	3.9	5,642	3.7	5,329	3.5
Total	189,706	100.0	180,394	100.0	174,862	100.0	168,973	100.0	162,036	100.0	158,604	100.0	156,153	100.0	157,391	100.0	153,523	100.0	151,167	100.0

Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 1993-2002.

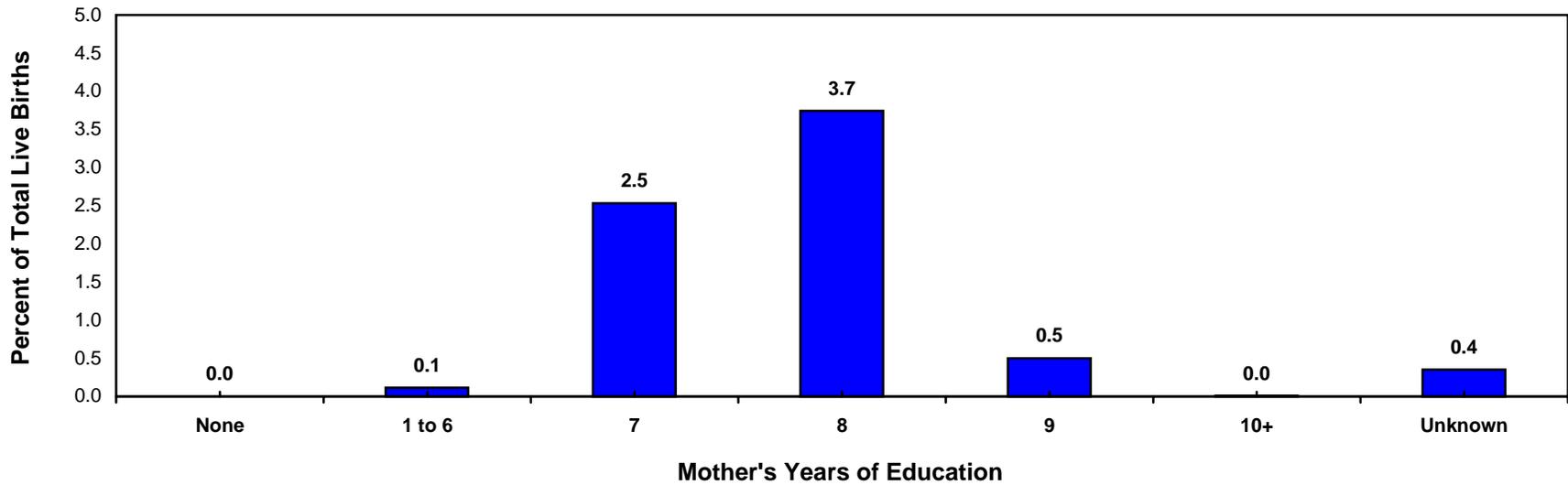
**Percent of Live Births to Mothers Less Than 18 Years of Age
by Mother's Race/Ethnicity
Los Angeles County, 2002**



Mother's Age	Mother's Race/Ethnicity											
	African American		Asian/Pacific Islander		Hispanic		Native American		White		Other/Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<15	40	0.3	5	0.0	194	0.2	0	0.0	8	0.0	1	0.2
15	76	0.6	13	0.1	589	0.6	1	0.4	22	0.1	2	0.3
16	157	1.3	25	0.2	1,396	1.5	1	0.4	78	0.3	2	0.3
17	267	2.2	60	0.4	2,245	2.4	6	2.4	130	0.5	11	1.8
Total	11,973	100.0	15,924	100.0	94,742	100.0	253	100.0	27,674	100.0	601	100.0

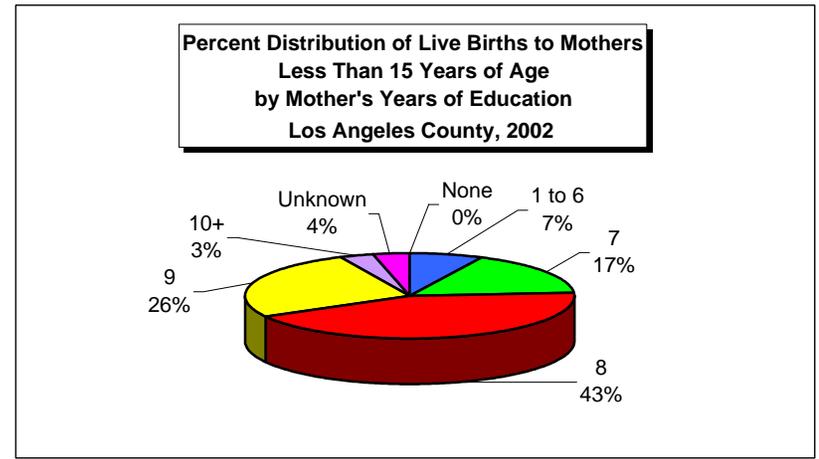
Note: African American, Asian/Pacific Islander, Native American, White and other races exclude Hispanic ethnicity. Hispanic includes any race category.
Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2002.

**Live Births to Mothers Less Than 15 Years of Age, as Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2002**



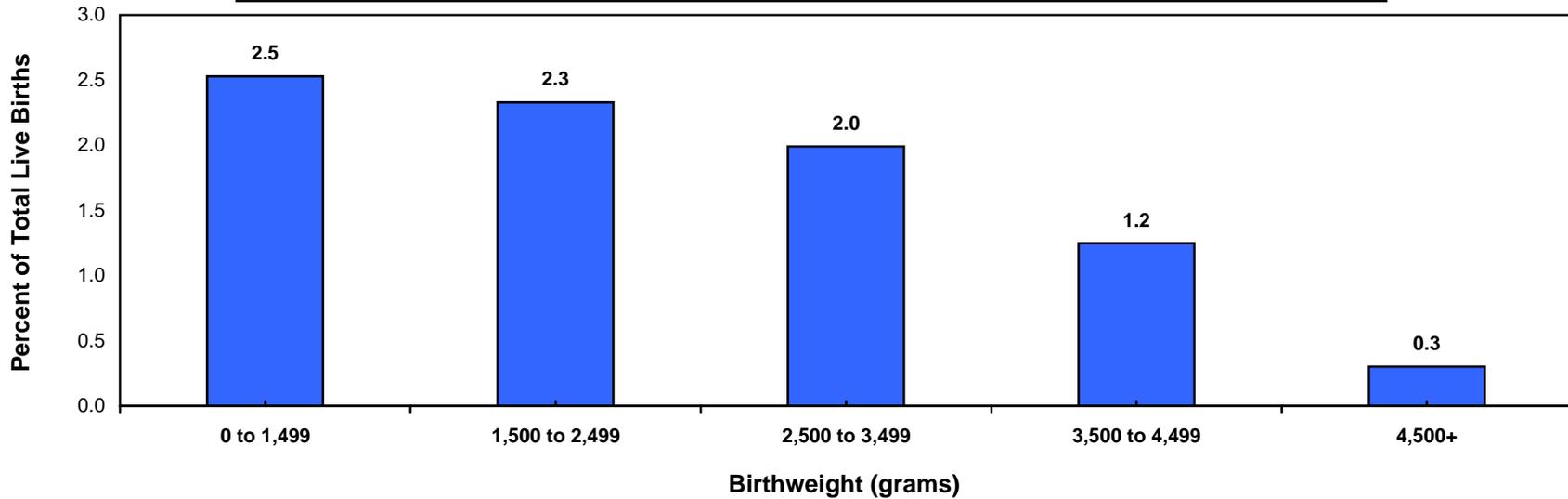
Los Angeles County, 2002				
Mother's Years of Education	Mother <15 Years of Age		95% Confidence Interval	
	Live Births	Percent	Lower	Upper
None	0	0.0	0.0	0.0
1 to 6	18	0.1	0.1	0.2
7	41	2.5	1.8	3.3
8	107	3.7	3.0	4.4
9	65	0.5	0.4	0.6
10+	8	0.0	0.0	0.0
Unknown	9	0.4	0.1	0.6
Total	248	0.2	0.1	0.2

Total Live Births
437
15,727
1,619
2,858
12,945
115,010
2,571
151,167



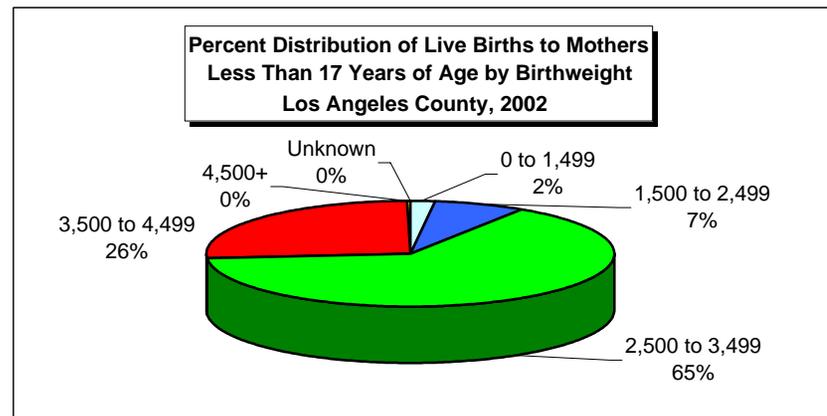
Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2002.

**Live Births to Mothers Less Than 17 Years of Age, as Percent of Total Live Births
by Birthweight
Los Angeles County, 2002**



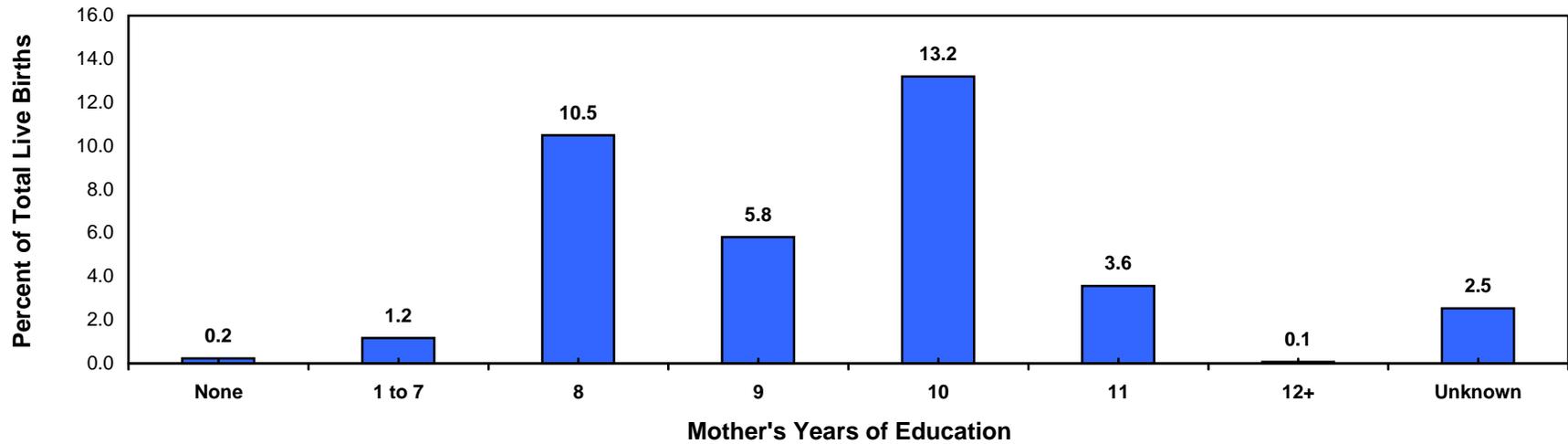
Los Angeles County, 2002				
Birthweight (grams)	Mother <17 Years of Age		95% Confidence Interval	
	Live Births	Percent	Lower	Upper
0 to 1,499	48	2.5	1.8	3.2
1,500 to 2,499	194	2.3	2.0	2.7
2,500 to 3,499	1,680	2.0	1.9	2.1
3,500 to 4,499	682	1.2	1.2	1.3
4,500+	6	0.3	0.1	0.5
Unknown	0	0.0	0.0	0.0
Total	2,610	1.7	1.7	1.8

Total Live Births
1,898
8,324
84,372
54,578
1,991
4
151,167



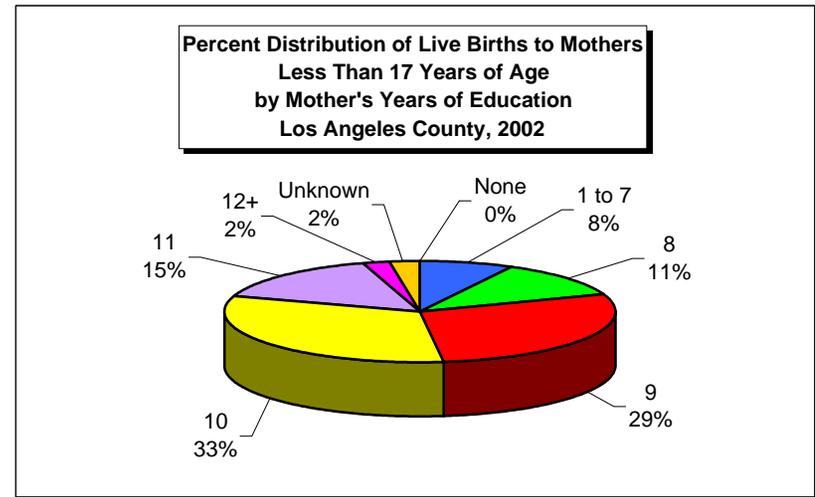
Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2002.

**Live Births to Mothers Less Than 17 Years of Age, as Percent of Total Births
by Mother's Years of Education
Los Angeles County, 2002**



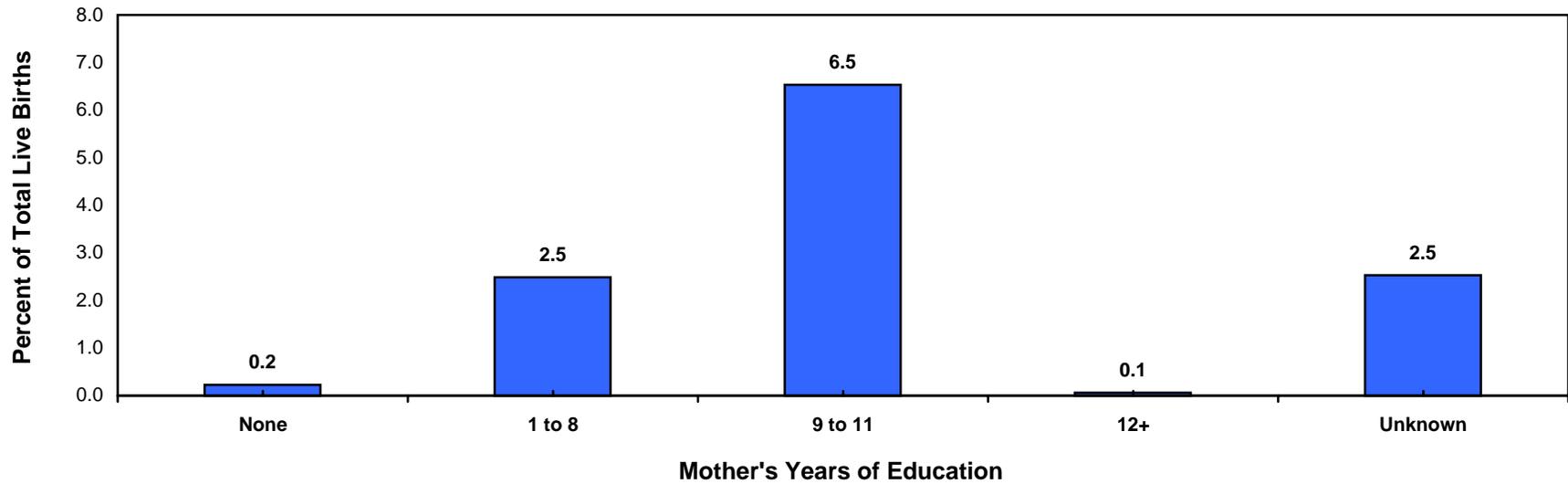
Los Angeles County, 2002				
Mother's Years of Education	Mother <17 Years of Age		95% Confidence Interval	
	Live Births	Percent	Lower	Upper
None	1	0.2	-0.2	0.7
1 to 7	203	1.2	1.0	1.3
8	300	10.5	9.4	11.6
9	752	5.8	5.4	6.2
10	835	13.2	12.4	14.0
11	394	3.6	3.2	3.9
12+	60	0.1	0.0	0.1
Unknown	65	2.5	1.9	3.1
Total	2,610	1.7	1.7	1.8

Total Live Births
437
17,346
2,858
12,945
6,325
11,059
97,626
2,571
151,167



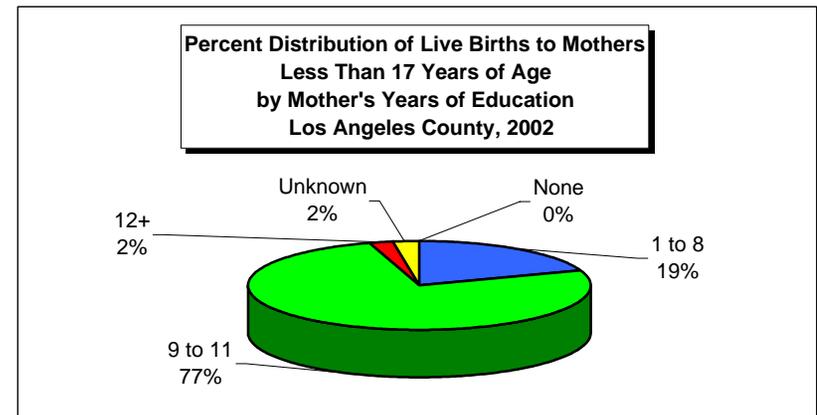
Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2002.

**Live Births to Mothers Less Than 17 Years of Age, as Percent of Total Live Births
by Mother's Years of Education
Los Angeles County, 2002**



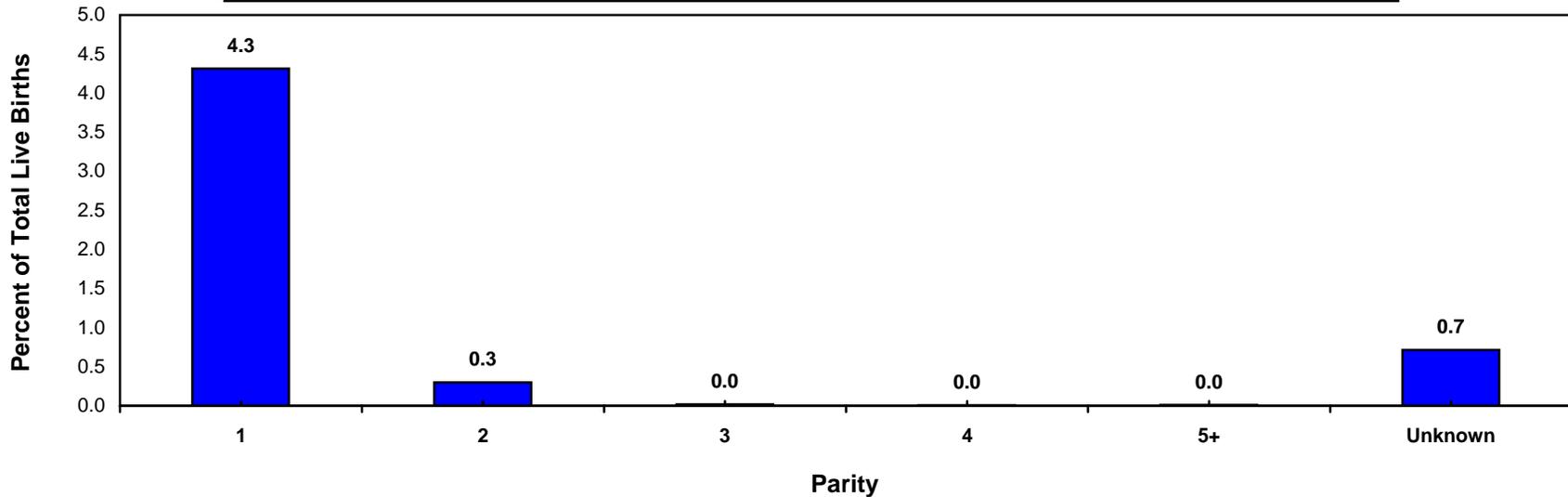
Los Angeles County, 2002				
Mother's Years of Education	Mother <17 Years of Age		95% Confidence Interval	
	Live Births	Percent	Lower	Upper
None	1	0.2	-0.2	0.7
1 to 8	503	2.5	2.3	2.7
9 to 11	1,981	6.5	6.3	6.8
12+	60	0.1	0.0	0.1
Unknown	65	2.5	1.9	3.1
Total	2,610	1.7	1.7	1.8

Total Live Births
437
20,204
30,329
97,626
2,571
151,167



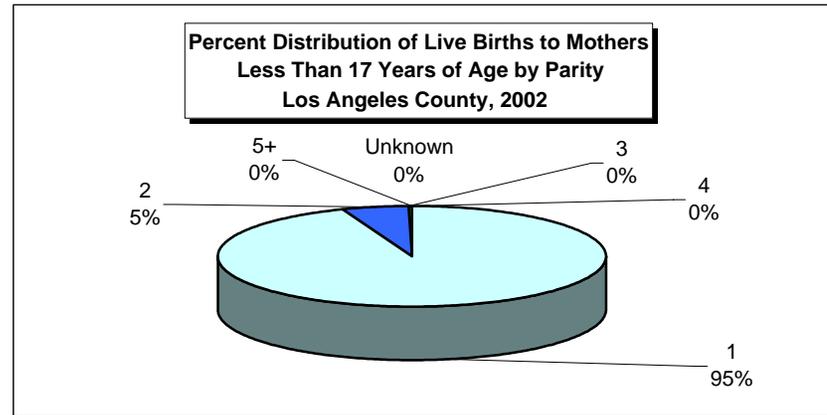
Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2002.

**Live Births to Mothers Less Than 17 Years of Age, as a Percent of Total Live Births
by Parity
Los Angeles County, 2002**



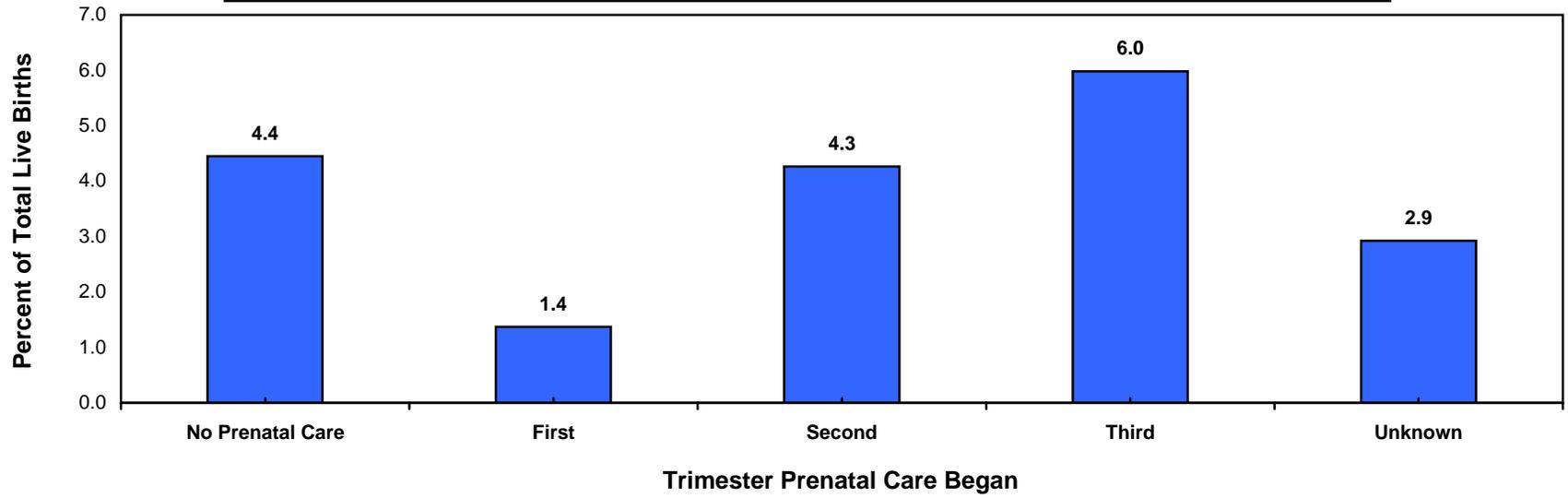
Los Angeles County, 2002				
Parity	Mother <17 Years of Age		95% Confidence Interval	
	Live Births	Percent	Lower	Upper
1	2,460	4.3	4.1	4.5
2	142	0.3	0.3	0.3
3	5	0.0	0.0	0.0
4	1	0.0	0.0	0.0
5+	1	0.0	0.0	0.0
Unknown	1	0.7	-0.7	2.1
Total	2,610	1.7	1.7	1.8

Total Live Births
57,002
47,427
27,069
11,853
7,676
140
151,167



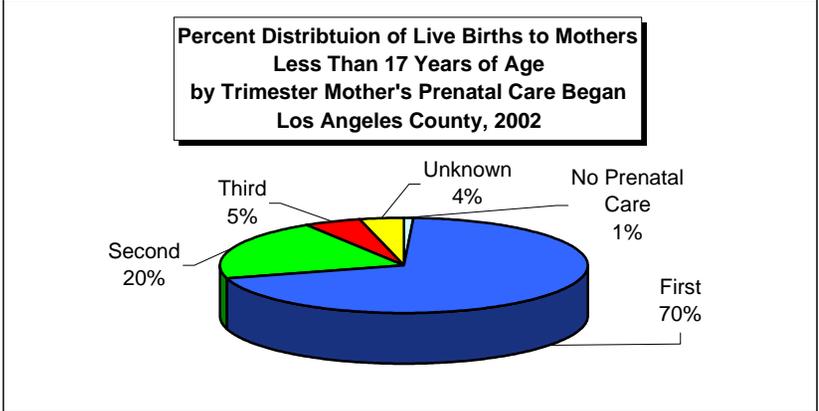
Note: Parity = number of pregnancies resulting in live births to a woman. Number of total live births is used as a proxy for parity.
Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2002.

**Live Births to Mothers Less Than 17 Years of Age, as a Percent of Total Live Births
by Mother's Trimester Prenatal Care (PNC) Began
Los Angeles County, 2002**



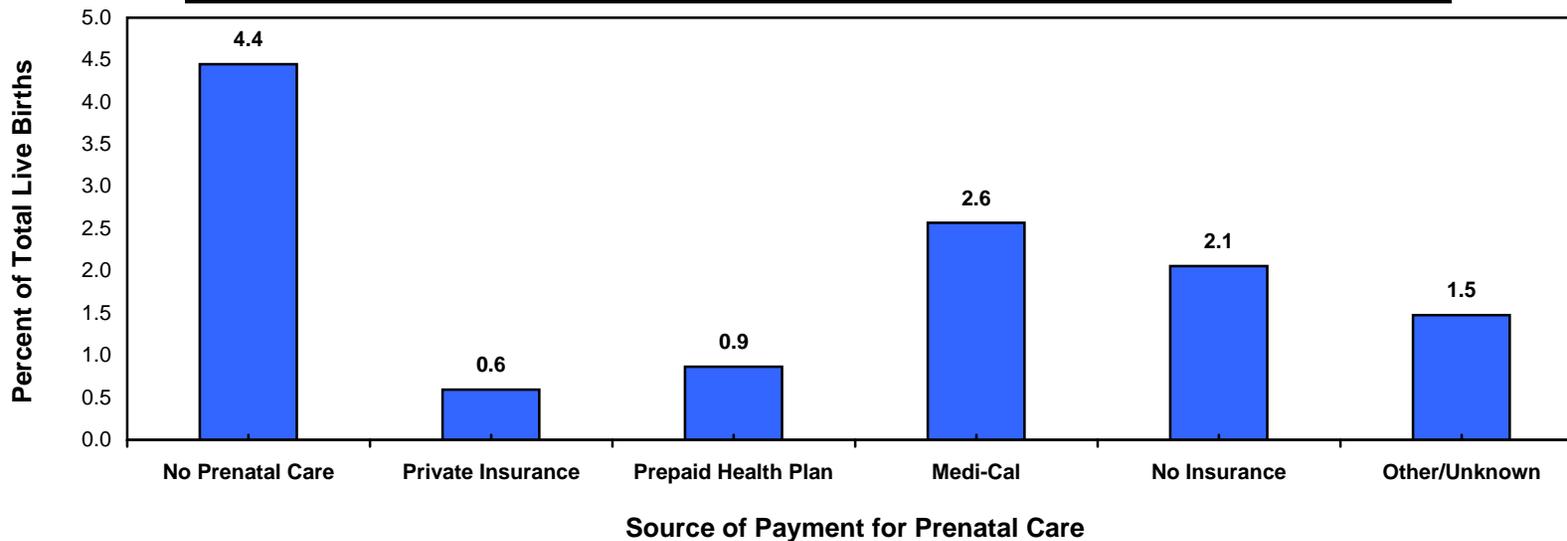
Los Angeles County, 2002				
Trimester Prenatal Care Began	Mother <17 Years of Age		95% Confidence Interval	
	Live Births	Percent	Lower	Upper
No Prenatal Care	23	4.4	2.7	6.2
First	1,821	1.4	1.3	1.4
Second	534	4.3	3.9	4.6
Third	131	6.0	5.0	7.0
Unknown	101	2.9	2.4	3.5
Total	2,610	1.7	1.7	1.8

Total Live Births
517
132,493
12,517
2,189
3,451
151,167



Note: "Trimester Prenatal Care (PNC) Began" excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.
Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2002.

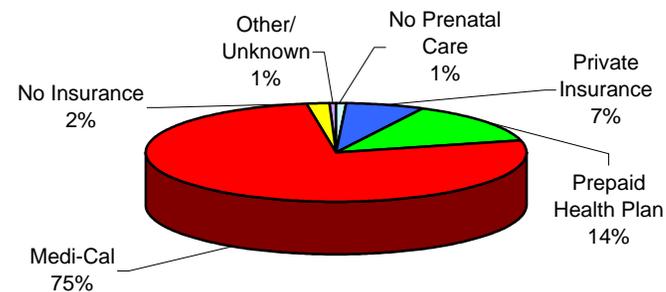
**Live Births to Mothers Less Than 17 Years of Age, as a Percent of Total Live Births
by Source of Payment for Prenatal Care (PNC)
Los Angeles County, 2002**



Los Angeles County, 2002				
Source of Payment for Prenatal Care	Mother <17 Years of Age		95% Confidence Interval	
	Live Births	Percent	Lower	Upper
No Prenatal Care	23	4.4	2.7	6.2
Private Insurance	170	0.6	0.5	0.7
Prepaid Health Plan	355	0.9	0.8	1.0
Medi-Cal	1,994	2.6	2.5	2.7
No Insurance	52	2.1	1.5	2.6
Other/Unknown	16	1.5	0.8	2.2
Total	2,610	1.7	1.7	1.8

Total Live Births
517
28,550
40,976
77,518
2,524
1,082
151,167

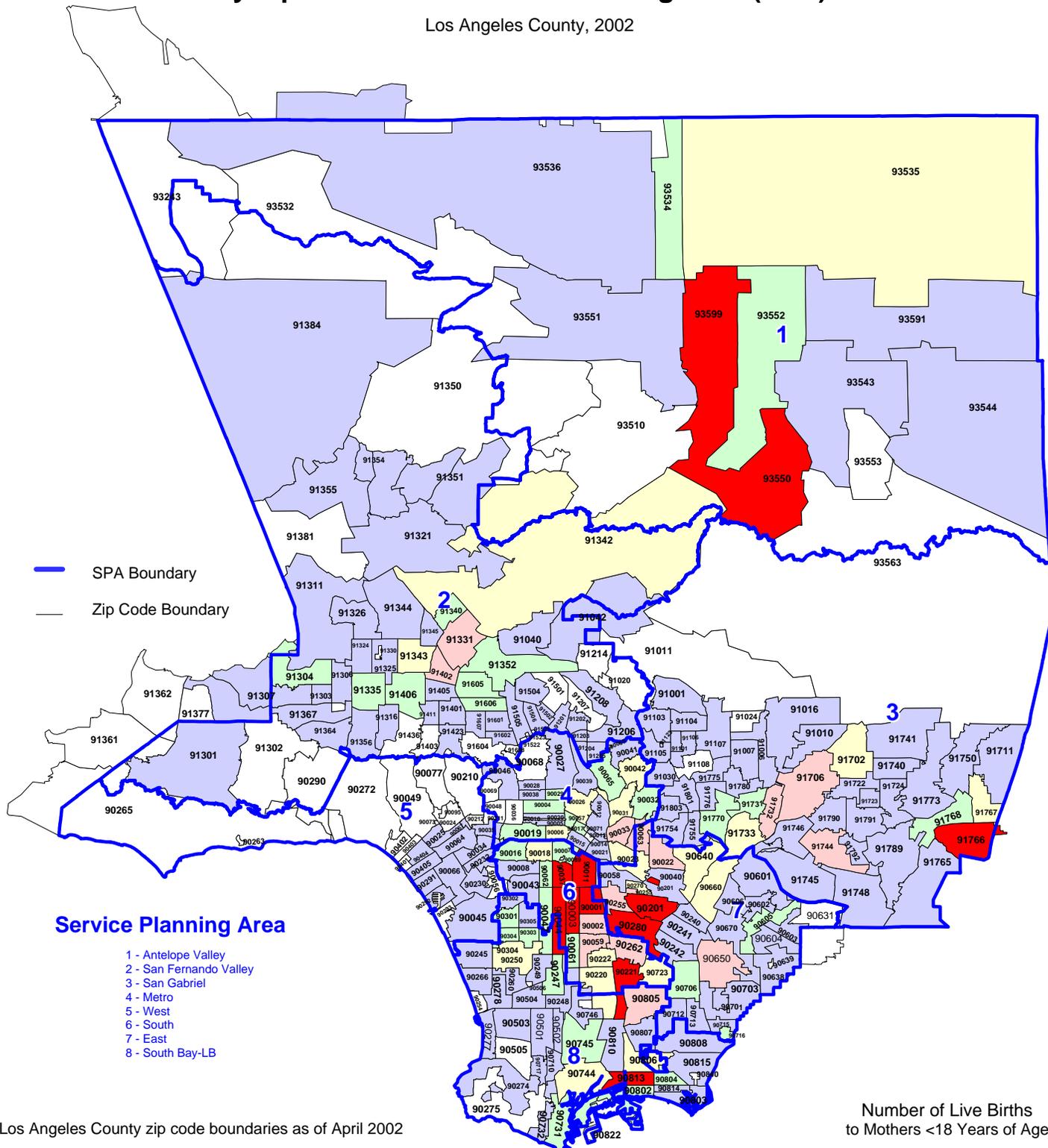
**Percent Distribution of Live Births to Mothers Less Than 17 Years of Age
by Source of Payment for Prenatal Care
Los Angeles County, 2002**



Source: California Department of Health Services, Center for Health Statistics, Vital Statistics, 2002.

Number of Live Births to Mothers Less Than 18 Years of Age by Zip Code* and Service Planning Area (SPA)

Los Angeles County, 2002



* Los Angeles County zip code boundaries as of April 2002

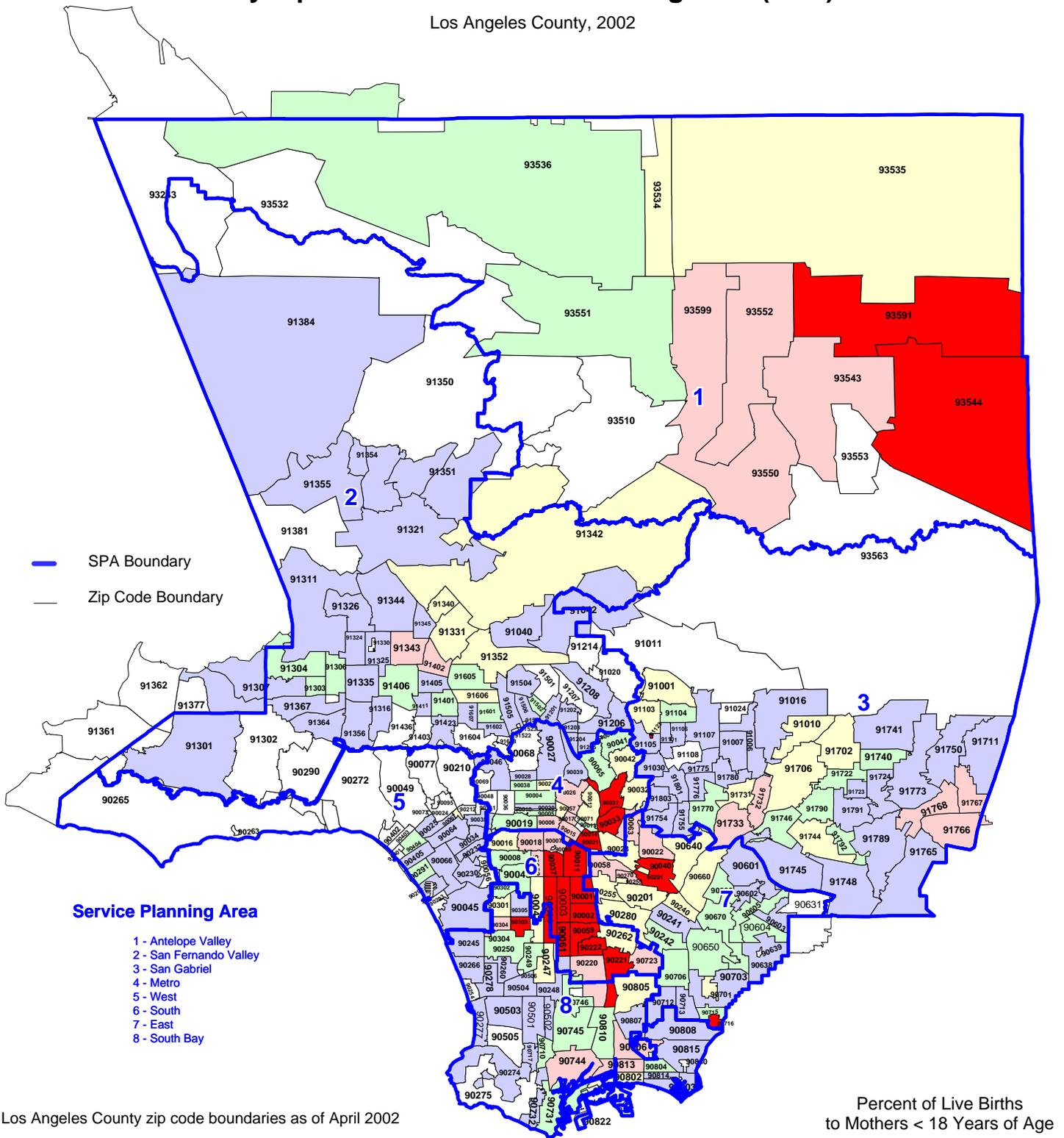
Total number of live births in Los Angeles County, 2002 = 151,167

Source: California Department of Health Services
Center for Health Statistics, Vital Statistics, 2002

n = total number of zip codes in range

Percent of Live Births to Mothers Less Than 18 Years of Age by Zip Code* and Service Planning Area (SPA)

Los Angeles County, 2002



Service Planning Area

- 1 - Antelope Valley
- 2 - San Fernando Valley
- 3 - San Gabriel
- 4 - Metro
- 5 - West
- 6 - South
- 7 - East
- 8 - South Bay

* Los Angeles County zip code boundaries as of April 2002

Total number of live births in Los Angeles County, 2002 = 151,167

Source: California Department of Health Services
Center for Health Statistics, Vital Statistics, 2002

Percent of Live Births to Mothers < 18 Years of Age

- 6.30 to 9.90 (n=19)
- 4.70 to 6.29 (n=27)
- 3.70 to 4.69 (n=35)
- 2.60 to 3.69 (n=45)
- 0.10 to 2.59 (n=106)
- <0.10 (n=61)

n = total number of zip codes in range